

## Water Quality Report 2011

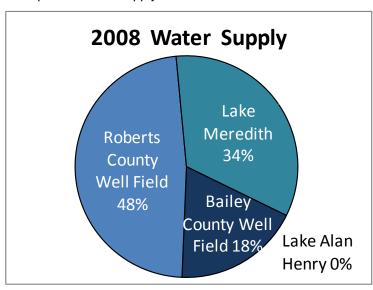
Summary – all contaminants measured within this report were compliant with EPA guidelines.

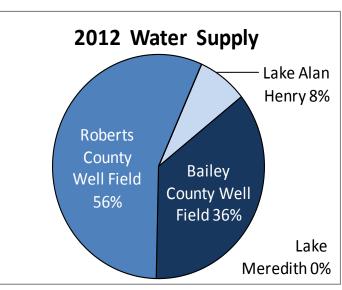
Water Source July 2012

Lubbock's drinking water comes from both surface and groundwater sources. During 2011, the Canadian River Municipal Water Authority (CRMWA) provided 56% of Lubbock's water supply from Lake Meredith and from Roberts County Well Field. Lake Meredith is located by Sanford, Texas, about 164 miles north of Lubbock, and the Roberts County Well Field is located about 40 miles east of Lake Meredith. The City owned Bailey County Well Field (BCWF) provided 44% of the City's water supply and is located about 65 miles northwest of Lubbock. During 2011, the citizens of Lubbock used 15.06 billion gallons of water with 8.38 billion gallons supplied by CRMWA and 6.68 billion gallons from BCWF.

## **Transitioning Water Supplies**

The City of Lubbock has relied upon both surface and groundwater for over 42 years. Before 1968, groundwater withdrawals from the sandhills in the BCWF and local well fields were enough to meet the City's total water needs. After 1968, with the availability of Lake Meredith water, groundwater usage greatly decreased. By the 1980s, Lake Meredith provided up to 90% of Lubbock's water supply. Approximately ten years ago, the water level in Lake Meredith began to decline and groundwater again began replacing the decreasing water supply. By September 2011, Lake Meredith's water levels had fallen too low for Lubbock to continue using water from the lake. From the fall of 2011 until today, the City has met its water needs with 100% groundwater from the well fields in Roberts and Bailey County. By the fall of 2012, a new water supply, Lake Alan Henry, will begin providing water to the City. In the future, approximately 20% of the City's needed water supply will come from this source. The completion of the Lake Alan Henry water supply project represents an important water supply milestone.





## **Drought Restrictions & Conservation**

During drought conditions, we are reminded of our dependency on water. Knowing that the weather patterns on the South Plains are unpredictable, the City of Lubbock continues to work to provide a sustainable water supply. However, on April 1, 2012, the City was forced to implement Stage 2 of its drought contingency plan. This action was necessary with the loss of Lake Meredith last year and Lake Alan Henry not yet providing water to Lubbock. Stage 2 limits irrigation of landscaping to one time each week. When Lake Alan Henry starts providing the city with water in the fall of this year, the restrictions will be relaxed. Lubbock has ample water supplies available to meet its needs for decades to come. We are simply in a short-term water shortage as we transition between two water supplies making it difficult to meet peak summer demand without stringent water usage restrictions.

We should never confuse water conservation with drought restrictions. Water conservation should be practiced at all times. In the past decade, the citizens of Lubbock have worked hard to conserve water. In 1998, the City's water consumption was 223 gallons per capita per day (GPCD). By 2010, the water consumption had dropped more than 35% to 141 GPCD. The dramatic drop in water usage can be attributed to educating the public, the increasing cost of water, implementing "waste of water" regulations, and the desire of the people in the city to do the right thing. Most of our citizens know that water is a precious resource that is becoming more expensive to find and deliver.

#### **EPA Guidelines for Your Water**

This report is a summary of the quality of the water the City of Lubbock provides to our customers. The analysis was made by using data from the most recent U.S. Environmental Protection Agency (EPA) required tests and is presented in the attached pages. We hope this information helps you become more knowledgeable about what is in your drinking water. This report represents data for the year 2011.

## Why Source Water Quality is Assessed

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. Contaminants that may be present in source water before treatment include: microbes, inorganic contaminants, pesticides, herbicides, radioactive contaminants, and organic chemical contaminants.

#### Special Information for People with Immune Systems Deficiencies

You may be more vulnerable than the general population to certain microbial contaminants, such as Cryptosporidium, in drinking water. Infants, some elderly or immuno-compromised persons such as those undergoing chemotherapy for cancer; those who have undergone organ transplants; those who are undergoing treatment with steroids and people with HIV/AIDS or other immune system disorders can be particularly at risk from infections. You should seek advice about drinking water from your physician or health care provider. Additional guidelines on appropriate means to lessen the risk of infection by Cryptosporidium are available from the Safe Drinking Water Hotline at 1-800-426-4791.

#### **Tap Water versus Bottled Water**

When drinking water meets federal standards there may not be any health-based benefits to purchasing bottled water or point of use devices. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. Contaminants may be found in drinking water that may cause taste, color, or odor problems. These types of problems are not necessarily causes for health concerns. For more information concerning taste, odor or color of drinking water, please call 806-775-2588. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline at 1-800-426-4791.

#### **Water Odor and Taste**

Many constituents, (such as calcium, sodium, or iron) which are often found in drinking water, can cause taste, color, and odor problems. The taste and odor constituents are called secondary constituents and are regulated by the State of Texas, not the EPA. These constituents are not causes for health concern. Therefore, secondaries are not required to be reported in this document but they may greatly affect the appearance and taste of your water.

#### **About This Table**

The pages that follow list all of the federally regulated or monitored contaminants that have been found in your drinking water. The U.S. EPA requires water systems to test for up to 97 contaminants.

Term	Definition
AL	Action Level – if a contaminant rises above this level, treatment is required
MCL	Maximum Contaminant Level – the highest contaminant level legally allowed
MCLG	Maximum Contaminant Level Goal - the contaminant level below which there is no known health risk
MRDL	Maximum Residual Disinfectant Level – the highest disinfectant level legally allowed
MRDLG	Maximum Residual Disinfectant Level Goal – the disinfectant level below which there is no known health risk
NTU	Nephelometric Turbidity Units – a measure of the cloudiness of the water
ppb	part per billion – one part per billion or micrograms per liter
ppm	part per million – one part per million or milligrams per liter
Range	The lowest and highest contaminant levels measured
TT	Treatment Technique – a process intended to reduce the level of a contaminant in drinking water

The State allows us to monitor for some substances less than once a year because the concentration of these substances do not change frequently. Some of our data, though representative, are more than one year old.

- ^ Secondary Constituent Levels set by the Texas Commission of Environmental Quality.
- \* The MCL for beta particles is 4 mrem/year. EPA considers 50 pCi/L to be the level of concern for beta particles.
- ~ (90<sup>th</sup> percentile) No sites exceeded AL

Regulated All FreeIntents   Particle   All   15 pC/L   3.7 pC/L   0   N/A   Ensor of ratural deposits   Yes	Contaminant	Year	MCL	Highest Level Detected	MCLG	Range C	Contamination Source Co	mpliant
Parameter   2011	<u> </u>		15 pCi/L	4.7 pCi/L	0	N/A	Erosion of natural deposits	Yes
## Search   2011   30 ppm   3.18 ppm   2.18	Arsenic	2011		5.9 ppb	0	2.8 – 5.9 ppb		Yes
Chromines	Barium	2011	2 ppm	0.136 ppm	2 ppm		Erosion of natural deposits	Yes
Controlleries   2011	Beta/photon emitters	2011	50 pCi/L*	8.4 pCi/L	0	N/A	Decay of natural and man-made deposits	Yes
Cyanide         2011         200 ppb         100 ppb         200 ppb         70 - 100 ppb         Elosido of natural doposits         Yes           Fluoride         2011         4 ppm         1.42 ppm         4 ppm         1.61 - 1.42 ppm         Elosido of natural doposits         Yes           Nitrale         2011         1.50 ppm         1.42 ppm         1.00 ppm         1.37 - 1.49 ppm         Elosido of natural doposits         Yes           Selenium         2011         1.50 ppm         3.4 ppb         50 ppb         50.9 pb         0.3.4 ppb         Elosido of natural deposits         Yes           Total organic carbon         2011         TT         4.00 ppm         TT         0.28 - 4.0 ppm         Naturally present environment         Yes           Additional Monitoring         TT         1.00 ppm         0.03 ppm         N/A         N/A         N/A         Nuturally present environment         Yes           Additional Monitoring         2011         Not Regulated         0.43 ppm         N/A         N/A         N/A         Water freshment chemical         Yes           Additional Monitoring         2011         Not Regulated         0.43 ppm         N/A         N/A         N/A         N/A         N/A         N/A         N/A         N/A	Chloramines	2011	MRDL = 4.0 ppm	3.9 ppm		0.5 - 3.9 ppm	Disinfectant used to control microbes	Yes
Place	Chromium	2004 -2005	100 ppb	6.7 ppb	100 ppb	0 - 6.7 ppb	Erosion of natural deposits	Yes
Notate   2011	Cyanide	2011	200 ppb	100 ppb	200 ppb	70 - 100 ppb	Erosion of natural deposits	Yes
Selenium   2011   50 ppb   3.4 ppc   50 ppb   0.3 4 ppb   Fresion of natural deposits   Yes	Fluoride	2011	4 ppm	1.42 ppm	4 ppm	0.61 – 1.42 ppm	Erosion of natural deposits	Yes
Total organic carbon         2011         TT         4 c0 ppm         TT         0.28 - 4.0 ppm         Naturally present in environment         Yes           Turbidity         2011         TT = 6 NTU (nt + 6 ample-qu2)         (100%)         0         0.33 - 0.11 NTU         Soil nunoff         Yes           Additional Monitorina         Very Conditions         Very Con	Nitrate	2011	10 ppm	1.49 ppm	10 ppm	1.37 - 1.49 ppm		ic Yes
Tr s NTU	Selenium	2011	50 ppb	3.4 ppb	50 ppb	0-3.4 ppb	Erosion of natural deposits	Yes
Turbidy	Total organic carbon	2011	TT	4.00 ppm	TT	0.28 – 4.0 ppm	Naturally present in environment	Yes
Adultional Monitoring   2011   0.05 - 0.2 ppm	Turbidity	2011	(TT = % of samples < 0.3	(100%)	0	0.03 - 0.11 NTU	Soil runoff	Yes
Ammonia         2011         Not Regulated         0.44 ppm         N/A         N/A         Water treatment chemical         Yes           Calcium         2011         Not Regulated         33 ppm         N/A         59 - 62 ppm         Naturally occurring         Yes           Chloride         2011         300 ppm ^         219 ppm         N/A         N/A         Naturally occurring         Yes           Conductance         2011         Not Regulated         252 ppm         N/A         N/A         Naturally occurring         Yes           Hardness         2011         Not Regulated         252 ppm         N/A         N/A         Naturally occurring         Yes           Magnesium         2011         Not Regulated         29 ppm         N/A         N/A         Naturally occurring         Yes           Sodium         2011         Not Regulated         161 ppm         N/A         N/A         Naturally occurring         Yes           Sulfate         2011         Not Regulated         197 ppm         N/A         N/A         Naturally occurring         Yes           Total akainity         2011         Unregulated         197 ppm         N/A         N/A         Naturally occurring         Yes           Tota	Additional Monitoring		NIO)					
Calcium	Aluminum	2011	0.05 - 0.2ppm^	0.03 ppm	N/A	N/A	Water treatment chemical	Yes
Chloride   2011   300 ppm	Ammonia	2011	Not Regulated	0.44 ppm	N/A	N/A	Water treatment chemical	Yes
Conductance   2011	Calcium	2011	Not Regulated	53 ppm	N/A	59 - 62 ppm	Naturally occurring	Yes
Conductance   2011   Not Regulated micromhos/cm   N/A   NA   Naturally occurring   Yes	Chloride	2011	300 ppm ^	219 ppm	N/A	N/A	Naturally occurring	Yes
Magnesium         2011         Not Regulated         29 ppm         N/A         N/A         Naturally occurring         Yes           Nickel         2011         Not Regulated         0.002 ppm         N/A         N/A         Erosion of natural deposits         Yes           Sodium         2011         Not Regulated         161 ppm         N/A         N/A         Naturally occurring         Yes           Sulfate         2011         300 ppm ^         199 ppm         N/A         N/A         Naturally occurring         Yes           Total alkalinity         2011         1000 ppm ^         749 ppm         N/A         N/A         Naturally occurring         Yes           Total dissolved solids         2011         5 ppm ^         0.008 ppm         N/A         N/A         Naturally occurring         Yes           Zinc         2011         5 ppm ^         0.008 ppm         N/A         N/A         Naturally occurring         Yes           Zinc         2011         5 ppm ^         0.008 ppm         N/A         N/A         N/A         Naturally occurring         Yes           Zinc         2011         5 ppm AL         0.103 ppm -         1.3 ppm N/A         N/A         N/A         Naturally occurring         Yes	Conductance	2011	Not Regulated		N/A	N/A	Naturally occurring	Yes
Nickel 2011 Not Regulated 0.002 ppm N/A N/A Erosion of natural deposits Yes Sodium 2011 Not Regulated 161 ppm N/A N/A Naturally occurring Yes Sulfate 2011 300 ppm 199 ppm N/A N/A Naturally occurring Yes Total alkalinity 2011 Unregulated 197 ppm N/A N/A Naturally occurring Yes Total alkalinity 2011 Unregulated 197 ppm N/A N/A Naturally occurring Yes Total dissolved solids 2011 1000 ppm 749 ppm N/A N/A N/A Naturally occurring Yes Zinc 2011 5 ppm 0.008 ppm N/A N/A Naturally occurring Yes Regulated At The Customers' Tap  Copper 2009 1.3 ppm AL 0.103 ppm 1.3 ppm N/A N/A Naturally occurring Yes Personal At The Customers' Tap  Copper 2009 1.3 ppm AL 0.103 ppm 1.3 ppm 0.018 Possible Product of Customers' Tap  Lead 2009 15 ppb AL 1.72 ppb 0 0 0 -6.91 ppb Involved Distribution System Evaluation For Distrifection Byproducts  Total haloacetic acids 2008 N/A 15.4 ppb N/A 0.45.6 ppb By-product of drinking water disinfection Yes Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0.45.6 ppb By-product of drinking water disinfection Yes Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0.96 ppb By-product of drinking water chlorination Yes Product of Information Product System Product Of Information Product System Product Of Information Produ	Hardness	2011	Not Regulated	252 ppm	N/A	N/A	Naturally occurring	Yes
Sodium 2011 Not Regulated 161 ppm N/A N/A Naturally occurring Yes Sulfate 2011 300 ppm ^ 199 ppm N/A N/A NATURAL NATURA NATURAL NATURAL NATURAL NATURAL NATURAL NATURAL NATURAL NATURA	Magnesium	2011	Not Regulated	29 ppm	N/A	N/A	Naturally occurring	Yes
Sulfate 2011 300 ppm \ 199 ppm N/A N/A Naturally occurring Yes Total alkalinity 2011 Unregulated 197 ppm N/A N/A Naturally occurring Yes Total dissolved solids 2011 1000 ppm 749 ppm N/A N/A Naturally occurring Yes Zinc 2011 5 ppm 0.008 ppm N/A N/A Naturally occurring Yes Regulated At The Customers' Tap  Copper 2009 1.3 ppm AL 0.103 ppm ~ 1.3 ppm 0.243 ppm N/A N/A Naturally occurring Yes Lead 2009 15 ppb AL 1.72 ppb ~ 0 0-6.91 ppb household plumbing systems Yes  Unregulated Initial Distribution System Evaluation For Disinfection Byproducts  Total haloacetic acids 2008 N/A 15.4 ppb N/A 0.45.6 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0.9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 60 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Total trihalomethanes 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Total trihalomethane 2011 N/A 1.3 ppb N/A N/A 8.9-product of drinking water disinfection Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A 8.9-product of drinking water disinfection Yes  Unregulated Contaminants  N/A 1.3 ppb N/A N/A 8.9-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N/A 3.8 ppb N/A N/A 8.9-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N/A 1.4 0.0046 ppb N/A N/A 8.9-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Nickel	2011	Not Regulated	0.002 ppm	N/A	N/A	Erosion of natural deposits	Yes
Total alkalinity 2011 Unregulated 197 ppm N/A N/A Naturally occurring Yes Total dissolved solids 2011 1000 ppm^ 749 ppm N/A N/A NA Naturally occurring Yes Zinc 2011 5 ppm^ 0.008 ppm N/A N/A NA Naturally occurring Yes  Regulated At The Customers' Tap  Copper 2009 1.3 ppm AL 0.103 ppm ~ 1.3 ppm 0.243 ppm Erosion of natural deposits, corrosion of household plumbing systems Yes  Lead 2009 15 ppb AL 1.72 ppb ~ 0 0.6.91 ppb Erosion of natural deposits, corrosion of household plumbing systems Yes  Unregulated Initial Distribution System Evaluation For Disinfection Byproducts  Total haloacetic acids 2008 N/A 15.4 ppb N/A 0.21.8 ppb By-product of drinking water disinfection Yes  Total trihalomethanes 2008 N/A 31.9 ppb N/A 0.45.6 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0.9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 60 ppb 1.50 ppb N/A 0.9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A N/A By-product of drinking water disinfection Yes  Bromodom 2011 N/A 2.7 ppb N/A N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N/A 0.0046 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N/A 0.0046 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Sodium	2011	Not Regulated	161 ppm	N/A	N/A	Naturally occurring	Yes
Total dissolved solids  2011 1000 ppm^ 749 ppm N/A N/A Naturally occurring Yes  Zinc 2011 5 ppm^ 0.008 ppm N/A N/A NATURALLY occurring Yes  Regulated At The Customers' Tap  Copper 2009 1.3 ppm AL 0.103 ppm - 1.3 ppm 0.243 ppm Erosion of natural deposits, corrosion of household plumbing systems Yes  Lead 2009 15 ppb AL 1.72 ppb - 0 0 -6.91 ppb Erosion of natural deposits, corrosion of household plumbing systems Yes  Unregulated Initial Distribution System Evaluation For Disinfection Byproducts  Total haloacetic acids 2008 N/A 15.4 ppb N/A 0-21.8 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0-45.6 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0-9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 60 ppb 15.0 ppb N/A 0-9.6 ppb By-product of drinking water chlorination Yes  Total trihalomethanes 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes  Bromoform 2011 N/A 2.7 ppb N/A N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N/A 0.0046 ppb By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N/A 0.0046 ppb By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Sulfate	2011	300 ppm ^	199 ppm	N/A	N/A	Naturally occurring	Yes
Zinc 2011 5 ppm^ 0.008 ppm N/A N/A Naturally occurring Yes  Regulated At The Customers' Tap  Copper 2009 1.3 ppm AL 0.103 ppm ~ 1.3 ppm 0.243 ppm household plumbing systems Yes  Lead 2009 15 ppb AL 1.72 ppb ~ 0 0 0 - 6.91 ppb bousehold plumbing systems Yes  Unregulated Initial Distribution System Evaluation For Distinfection Byproducts  Total haloacetic acids 2008 N/A 15.4 ppb N/A 0 - 21.8 ppb By-product of drinking water disinfection Yes  Total trihalomethanes 2008 N/A 31.9 ppb N/A 0 - 45.6 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0 - 9.6 ppb By-product of drinking water chlorination Yes  Total cloifform 2011 Coliform bacteria present in 5% or more of the morthly samples  Total trihalomethanes 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Total trihalomethanes 2011 N/A 1.3 ppb N/A N/A By-product of drinking water chlorination Yes  Tomodichloromethane 2011 N/A 2.7 ppb N/A N/A By-product of drinking water chlorination Yes  Bromodichloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Chlorofom 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Total alkalinity	2011	Unregulated	197 ppm	N/A	N/A	Naturally occurring	Yes
Copper   2009   1.3 ppm AL   0.103 ppm ~   1.3 ppm   0.018 - 0.243ppm   0.018 - 0.0	Total dissolved solids	2011	1000 ppm^	749 ppm	N/A	N/A	Naturally occurring	Yes
Copper 2009 1.3 ppm AL 0.103 ppm ~ 1.3 ppm 0.243ppm Erosion of natural deposits, corrosion of household plumbing systems Yes  Lead 2009 15 ppb AL 1.72 ppb ~ 0 0 -6.91 ppb Erosion of natural deposits, corrosion of household plumbing systems Yes  Unregulated Initial Distribution System Evaluation For Disinfection Byproducts  Total haloacetic acids 2008 N/A 15.4 ppb N/A 0-21.8 ppb By-product of drinking water disinfection Yes  Total trihalomethanes 2008 N/A 31.9 ppb N/A 0-45.6 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0-9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 60 ppb 4.1 ppb N/A 0-9.6 ppb By-product of drinking water chlorination Yes  Total trihalomethanes 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes  Bromoform 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes  Chloroform 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N/A 0.0046 ppb By-product of drinking water disinfection, Yes	Zinc	2011	5 ppm <sup>^</sup>	0.008 ppm	N/A	N/A	Naturally occurring	Yes
Copper 2009 1.3 ppm AL 0.103 ppm ~ 1.3 ppm 0.243 ppm household plumbing systems Yes  Lead 2009 15 ppb AL 1.72 ppb ~ 0 0 0 - 6.91 ppb household plumbing systems Yes  Unregulated Initial Distribution System Evaluation For Disinfection Byproducts  Total haloacetic acids 2008 N/A 15.4 ppb N/A 0 - 21.8 ppb By-product of drinking water disinfection Yes  Total trihalomethanes 2008 N/A 31.9 ppb N/A 0 - 45.6 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0 - 9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 Coliform bacteria present in 5% or more of the monthly samples  Total trihalomethanes 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes  Bromodichloromethane 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes  Chloroform 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Regulated At The Cust	omers' Tap						
Lead 2009 15 ppb AL 1.72 ppb ~ 0 0 -6.91 ppb household plumbing systems Yes  Unregulated Initial Distribution System Evaluation For Disinfection Byproducts  Total haloacetic acids 2008 N/A 15.4 ppb N/A 0 -21.8 ppb By-product of drinking water disinfection Yes  Total trihalomethanes 2008 N/A 31.9 ppb N/A 0 -45.6 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0-9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 Coliform bacteria present in 5% or more of the monthly samples Product of drinking water chlorination Yes  Total trihalomethanes 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes  Bromoform 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes  Chloroform 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N-Nitrosodimethlamine 2010 N/A 0.046 ppb N/A N/A By-product of drinking water disinfection, Yes	Copper	2009	1.3 ppm AL	0.103 ppm ~	1.3 ppm			Yes
Total haloacetic acids 2008 N/A 15.4 ppb N/A 0 - 21.8 ppb By-product of drinking water disinfection Yes  Total trihalomethanes 2008 N/A 31.9 ppb N/A 0 - 45.6 ppb By-product of drinking water disinfection Yes  Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1 ppb N/A 0-9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 Coliforn bacteria present in 19% or more of the monthly samples 0 0 0% Naturally present in the environment Yes  Total trihalomethanes 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes  Bromoform 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes  Chloroform 2011 N/A 0.3 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Lead	2009	15 ppb AL	1.72 ppb ~	0	0 - 6.91 ppb		Yes
Total trihalomethanes 2008 N/A 31.9 ppb N/A 0 - 45.6 ppb By-product of drinking water disinfection Yes    Regulated In The Distribution System	Unregulated Initial Dist	ribution Syster	n Evaluation For D	isinfection Bypro	ducts			
Regulated In The Distribution System  Haloacetic acids (5) 2011 60 ppb 4.1ppb N/A 0-9.6 ppb By-product of drinking water chlorination Yes  Total coliform 2011 Coliform bacteria present in 5% or more of the monthly samples 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes  Bromoform 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes  Chloroform 2011 N/A 0.3 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Total haloacetic acids	2008	N/A	15.4 ppb	N/A	0 - 21.8 ppb	By-product of drinking water disinfection	Yes
Haloacetic acids (5)  2011  60 ppb  4.1ppb  N/A  0-9.6 ppb  By-product of drinking water chlorination  Yes  Total coliform  2011  80 ppb  15.0 ppb  N/A  4.3-32.2 ppb  By-product of drinking water chlorination  Yes  Unregulated Contaminants  Bromodichloromethane  2011  N/A  1.3 ppb  N/A  N/A  By-product of drinking water disinfection  Yes  Chloroform  2011  N/A  0.3 ppb  N/A  N/A  N/A  By-product of drinking water disinfection  Yes  Unregulated Contaminants  Chloroform  2011  N/A  0.3 ppb  N/A  N/A  N/A  Dy-product of drinking water disinfection  Yes  Chloroform  2011  N/A  0.3 ppb  N/A  N/A  N/A  By-product of drinking water disinfection  Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Total trihalomethanes	2008	N/A	31.9 ppb	N/A	0 - 45.6 ppb	By-product of drinking water disinfection	Yes
Total coliform  2011  Coliform bacteria present in 5% or more of the monthly samples  Total trihalomethanes  2011  80 ppb  15.0 ppb  N/A  4.3-32.2 ppb  By-product of drinking water chlorination  Yes  Unregulated Contaminants  Bromodichloromethane  2011  N/A  1.3 ppb  N/A  N/A  By-product of drinking water disinfection  Yes  Chloroform  2011  N/A  2.7 ppb  N/A  N/A  N/A  By-product of drinking water disinfection  Yes  Chloroform  2011  N/A  0.3 ppb  N/A  N/A  N/A  By-product of drinking water disinfection  Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Regulated In The Distri	ibution System						
Total coliform 2011 in 5% or more of the monthly samples 0 0 0% Naturally present in the environment Yes  Total trihalomethanes 2011 80 ppb 15.0 ppb N/A 4.3-32.2 ppb By-product of drinking water chlorination Yes  Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes  Bromoform 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes  Chloroform 2011 N/A 0.3 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection	Haloacetic acids (5)	2011	60 ppb	4.1ppb	N/A	0-9.6 ppb	By-product of drinking water chlorination	Yes
Unregulated Contaminants  Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes  Bromoform 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes  Chloroform 2011 N/A 0.3 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N-Nitrosodimethlamine 2010 N/A 0.0046 ppb By-product of drinking water disinfection, Yes	Total coliform	2011	in 5% or more of the	0	0	0%	Naturally present in the environment	Yes
Bromodichloromethane 2011 N/A 1.3 ppb N/A N/A By-product of drinking water disinfection Yes Bromoform 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes Chloroform 2011 N/A 0.3 ppb N/A N/A By-product of drinking water disinfection Yes Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N-Nitrosodimethlamine 2010 N/A 0.0046 ppb N/A 0.0046 ppb By-product of drinking water disinfection, Yes	Total trihalomethanes	2011	80 ppb	15.0 ppb	N/A	4.3-32.2 ppb	By-product of drinking water chlorination	Yes
Bromoform 2011 N/A 2.7 ppb N/A N/A By-product of drinking water disinfection Yes  Chloroform 2011 N/A 0.3 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N-Nitrosodimethlamine 2010 N/A 0.0046 ppb By-product of drinking water disinfection, Yes	Unregulated Contamin	ants						
Chloroform 2011 N/A 0.3 ppb N/A N/A By-product of drinking water disinfection Yes  Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N-Nitrosodimethlamine 2010 N/A 0.0046 ppb By-product of drinking water disinfection, Yes	Bromodichloromethane	2011	N/A	1.3 ppb	N/A	N/A	By-product of drinking water disinfection	Yes
Dibromochloromethane 2011 N/A 3.8 ppb N/A N/A By-product of drinking water disinfection Yes  Unregulated Contaminant Monitoring Rule 2 Data Collection  N-Nitrosodimethlamine 2010 N/A 0.0046 ppb By-product of drinking water disinfection, Yes	Bromoform	2011	N/A	2.7 ppb	N/A	N/A	By-product of drinking water disinfection	Yes
Unregulated Contaminant Monitoring Rule 2 Data Collection  N-Nitrosodimethlamine 2010 N/A 0.0046 pph N/A 0.0046 pph By-product of drinking water disinfection, Yes	Chloroform	2011	N/A	0.3 ppb	N/A	N/A	By-product of drinking water disinfection	Yes
N-Nitrosodimethlamine 2010 N/A 0.0046 pph N/A 00.0046 pph By-product of drinking water disinfection,	Dibromochloromethane	2011	N/A	3.8 ppb	N/A	N/A	By-product of drinking water disinfection	Yes
	Unregulated Contamin	ant Monitoring	Rule 2 Data Collec	tion				
	N-Nitrosodimethlamine	2010	N/A	0.0046 ppb	N/A	0-0.0046 ppb		Yes

# Water Quality Report 2011





### Where to Find Additional Information about Your Water

A Source Water Susceptibility Assessment for your drinking water sources is currently being updated by the Texas Commission on Environmental Quality. This information describes the susceptibility and types of constituents that may come into contact with your drinking water source based on human activities and natural conditions. The information contained in the assessment allows us to focus our protection strategies. Some of this source water assessment information will be available later this year on Texas Drinking Water Watch at http://dww.tceq.state.tx.us/DWW/. For more information on source water assessments and protection efforts at our system, please contact us.

## **Water Quality Contact Information**

The Safe Drinking Water Hotline: 800-426-4791 City of Lubbock Water Treatment Lab: 806-775-2614

Weekdays 7:30 a.m. and 4:30 p.m.

Lubbock Water Utilities Department of Education and Backflow Compliance: 806-775-3596

Weekdays 8 a.m. and 5 p.m.

City of Lubbock Water Department Website: http://water.ci.lubbock.tx.us

## **Homes with Lead Piping**

Elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. This water supply is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at www.epa.gov/safewater/lead.